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		"4506869"		
		"5178240"		i I
		"5588510"		
		"5600111"		1
		"5988606 "		<u> </u>
		"6079526"		1
		"3677561"		
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		"4388972"		
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		"4479638"		
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		"5/06919" '		
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		'	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	412	e05f003/02.ipc.	USPAT;	2004/07/15 07:03
			US-PGPUB;	
			EPO; JPO;	•
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			EPO; JPO;	
	37	e05f005/10.ipc. and (air or pneumatic)	DERWENT USPAT:	2004/07/45 07:45
-	37	eoolooo/ro.ipc. and (all or phedinalic)	US-PGPUB;	2004/07/15 07:15
			EPO: JPO:	
			DERWENT	
_	1	("5157806").PN.	USPAT:	2004/07/15 07:07
		,	US-PGPUB	=====================================
-	14	5157806.URPN.	USPAT	2004/07/15 07:07
-	4	("3266080" "4230309" "4854554" "4920609").PN.	USPAT	2004/07/15 07:08

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-	123	("4478431"	USPAT;	2004/07/15 07:15
		"5533871"	US-PGPUB	
		"4407396"		
		"4506869"		
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		"5988606"		
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- 1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber) with (serially or series) and 312%-cots 1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) with (serially or series) and 312%-cots 1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312%-cots 1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312%-cots 1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and (pistonsl or first adj2 piston same second adj2 piston) - 0 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistonsl or first adj2 piston same second adj2 piston) same progressive adj amper or brake protection or shock adj aborber or retarder or brake) same (pistonsl or first adj2 piston same second adj2 piston) same progressive adj amper or or brake protection or shock adj aborber or retarder or brake) same (pistonsl or first adj2 piston same second adj2 piston) same progressive adj amper or or brake protection or shock adj aborber or retarder or brake) same (pistonsl or first adj2 piston same second adj2 piston vibration or shock adj aborber or retarder or brake) same (pistonsl or first adj2 piston same second adj2 piston vibration or shock adj aborber or retarder or brake) same (pistonsl or first adj2 piston same second adj2 piston) same spring (pistonsl or first adj2 piston same second adj2 piston) same spring near5 piston (piston or shock adj aborber or retarder or brake) same (pistonsl or first adj2 piston same second adj2 piston) same spring near5 piston (piston or shock adj aborber or retarder or brake) same (pistonsl or first adj2 piston same second adj2 piston) same spring near5 piston (piston or shock adj aborber or retarder or brake) same (pistonsl or first adj2 piston same	vibration or shock adj aborber) with (serially or series) 1 (air or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) with (serially or series) and 312% ccis. 1 dir or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) with (serially or series) and 312% ccis. 1 dir (air or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) and 312% ccis. 1 dir (air or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) and 312% ccis. 1 dir (air or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damp56 1 dir or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damp56 2 dir or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damp56 3 dir or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder) same (pistons) or first adj2 piston same second adj2 piston) same progressive adjaborber or retarder) same (pistons) or first adj2 piston same second adj2 piston) same progressive adjaborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adjaborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adjaborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adjaborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adjaborber or retarder or brake) same (pistons) or first adj2 piston same second ad					
1 (air or pneumatic) with (damper or dashpot or vibration or shock adj aborber) with (serially or series) and 312% ccls. 1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) with (serially or series) and 312% ccls. 104 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312% ccls. 1215 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or instead 2p iston same second adj 2p iston) 1204/07/15 07:25 (1904/07/15 07:	1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber) with (serially or series) and 312%.ccis. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) with (serially or series) and 312%.ccis. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312%.ccis. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same progressive adj damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same priston with (throughber or bore or beroheloe or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same priston with (throughber or bore or beroheloe or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spiston same second adj2 piston) same spiston or spiston or spiston adja sola sola por or retarder) same (pistons) or spiston same second adj2	-	450	[(US-PGPUB;	2004/07/15 07:17
(air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber) with (serially or series) and 312/\$.cots.	1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber) with (serially or series) and 312/8.ccls. 1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312/8.ccls. 104 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312/8.ccls. 1215 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) 128/47; 1204/07/15 07:22 (204/07/15 07:25 (204/07/					
vibration or shock adj aborber) with (serially or series) and 312% ccls. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) with (serially or series) and 312% ccls. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312% ccls. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (piston) or shock adj aborber or retarder or brake) same (piston) or shock adj aborber or retarder or brake) same (piston) or shock adj aborber or retarder or brake) same (piston) or shock adj aborber or retarder or brake) same (piston) or shock	vibration or shock adj aborber) with (serially or series) and 312%,ccls. 1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) with (serially or series) and 312%,ccls. 1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312%,ccls. 1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adg2 piston same second adg2 piston) same progressive adj damp68 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adg2 piston same second adg2 piston) same progressive adj damp68 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adg2 piston same second adg2 piston) same piston with (throughbore or bore or borhoslo or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adg2 piston same second adg2 piston) same piston with (throughbore or bore or borhoslo or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adg2 piston same second adg2 piston) same spring near5 piston (pistons) or first adg2 piston same second adg2 piston) same spring near5 piston (pistons) or first adg2 piston same second adg2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adg2 piston same second adg2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod		_ ,	(-i		0004/07/45 07 40
1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) with (serially or series) and 312/5.ccib. 104 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312/5.ccib. 1215 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damp\$6 13 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston with (throughbore or bore or borehole or canal) 13 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons) or first adj2 piston same second adj2 piston) same piston with (throughbore or bore or borehole or canal) 13 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons) or first adj2 piston same second adj2 piston) same piston with (throughbore or bore or borehole or canal) 14 (pistons) or first adj2 piston same second adj2 piston) same piston with (throughbore or bore or borehole or canal) 15 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring near5 piston 15 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring near5 piston 15 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring near5 piston 16 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 17 (air or pneumatic) with (damp	1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) with (serially or serials) and 312/5.cots. 104 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312/5.cots. 1251 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and (pistons) or first adj2 piston same second adj2 piston) same (pistons) or first adj2 piston same second adj2 piston) same (pistons) or first adj2 piston same second adj2 piston) same (pistons) or first adj2 piston same second adj2 piston) same piston with (froughbore or bore or borehole or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston with (froughbore or bore or borehole or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston with (pistons) or first adj2 piston same second adj2 piston) same piston with (pistons) or first adj2 piston same second adj2 piston) same piston with (pistons) or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring near5 piston 2 201 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring near5 piston 3 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring near5 piston 4 27 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 5 2004/07/15 07:32 2004/0	-	1			2004/07/15 07:18
1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) with (serially or series) and 312/s.ccls. 104 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312/s.ccls. 1215 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damp\$6. 15 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damp\$6. 16 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damp\$6. 17 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (piston with (troughbore or bore or borehole or canal) 18 (air or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder) same (piston with troughbore or bore or borehole or canal) 19 (air or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston with (troughbore or bore or borehole or canal) 19 (air or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston same second adj2 piston same second adj2 piston same second adj2 piston same second adj2 piston same second adj2 piston same (pistons) or first adj2 piston same second adj2 piston or brake) same (pistons) or first adj2 piston same second adj2 piston or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or wibration	1 1 1 1 2004/07/15 07:19 Continued in the content of t					
diar or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) with (serially or series) and 312/8,ccls. 1215 (air or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) and 312/8,ccls. (air or pneumatic) with (damper or dampener or dashpot or wibration or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons or shock adj aborber or retarder or brake) same (pistons or shock adj aborber or retarder) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (piston) same spring near5 piston (pistons or first adj2) piston same second adj2 piston) same spring near5 piston (pistons) or shock adj aborber or retarder) same (pistons) or shock adj aborber or retarder) same (pistons) or shock adj aborber or retarder) same (pistons) or shock adj aborber or retarder) same (pi	1 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adi jaborber or retarder or brake) with (senially or series) and 312/5.ccls. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adi jaborber or retarder or brake) and 312/5.ccls. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adi jaborber or retarder or brake) ame (pistonsi or first adi/2 piston same second adi/2 piston) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adi jaborber or retarder or brake) same (pistonsi or first adi/2 piston same second adi/2 piston) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adi jaborber or retarder or brake) same (pistonsi or first adi/2 piston same second adi/2 piston) same piston with (throughbore or bore or borehole or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adi jaborber or retarder or brake) same (pistonsi or first adi/2 piston same second adi/2 piston) same piston with (throughbore or bore or borehole or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adi jaborber or retarder or brake) same (pistonsi or first adi/2 piston same second adi/2 piston) same piston with (pistonsi or first adi/2 piston same second adi/2 piston) same piston with (pistonsi or first adi/2 piston same second adi/2 piston) same piston with (pistonsi or first adi/2 piston same second adi/2 piston) same piston with (pistonsi or first adi/2 piston same second adi/2 piston) same piston with (piston or shock adi jaborber or retarder or brake) same (pistonsi or first adi/2 piston same second adi/2 piston) same piston with (piston or shock adi jaborber or retarder or brake) same (pistonsi or first adi/2 piston same second adi/2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adi jaborber or retarder or brake) same (piston) same second adi/2 piston) same piston wit			312/\$.ccls.		:
vibration or shock adj aborber or retarder or brake) with (serially or series) and 312/5.cols. 104 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312/5.cols. 1215 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) 10 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistonst or first adj2 piston same second adj2 piston) same progressive adj damp\$6 13 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons or first adj2 piston same second adj2 piston) same piston with (throughbore or bore or borehole or cansi) 13 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistonst or first adj2 piston same second adj2 piston) same piston with (throughbore or bore or borehole or cansi) 14 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistonst or first adj2 piston same second adj2 piston) same piston with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistonst) or first adj2 piston same second adj2 piston) same second adj2 piston same second adj2 piston) same (pistonst) or first adj2 piston same second adj2 piston) same (pistonst) or first adj2 piston same second adj2 piston) same (pistonst) or first adj2 piston same second adj2 piston) same (pistonst) or first adj2 piston same second adj2 piston) same (pistonst) or first adj2 piston same second adj2 piston) same (pistonst) or first adj2 piston same second adj2 piston) same (pistonst) or first adj2 piston same second adj2 piston) same (pistonst) or first adj2 piston same second adj2 piston) same (pistonst) or first adj2 piston same second adj2 piston) same (pistonst) o	vibration or shock adj aborber or retarder or brake) with (serially or series) and 312%,cols. 104 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312%,cols. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (poistons or first adj2 piston same second adj2 piston) same spring piston with (throughbore or bore or borehole or canal) (pistons or first adj2 piston same second adj2 piston) same spring piston with (throughbore or bore or borehole or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring (pistons or first adj2 piston same second adj2 piston) same spring (pistons or first adj2 piston same second adj2 piston) same piston with (throughbore or bore or borehole or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring (pistons or first adj2 piston same second adj2 piston) same spring (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston (air or pneumatic) with (damper or dampener or dashpot or v		•			
or series) and 312%-ccls. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312%-ccls. 1215 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) same progressive adj damps6 7 fa (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston) same second adj2 piston) same piston with (throughbore or bore or borehole or canal)) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston) same piston with progressive adj2 piston same second adj2 piston) same piston with progressive adj2 piston same second adj2 piston) same piston with progressive adj2 piston same second adj2 piston) same piston with progressive adj2 piston same second adj2 piston) same piston with progressive adj2 piston same second adj2 piston) same piston with progressive adj2 piston same second adj2 piston) same piston with progressive adj2 piston same second adj2 piston) same progressive adj2 piston same second adj2 piston) same progressive adj2 piston same second adj2 piston) same progressive adj2 piston same second adj2 piston) same progressive adj2 piston same second adj2 piston) same progressive adj2 piston same second adj2 piston) same progressive adj2 piston same second adj2 piston) same progressive adj2 piston same second adj2 piston) same progressive adj2 piston same second adj2 piston) same progressive adj2 piston same progressive adj2 piston	or series) and 312% ccis. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312% ccis. 1215 1215 1215 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston with (froud propressive adj damp\$6 755 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston with (froud propressive adj damp\$6 133 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (froud propressive) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston with (froud propressive) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same spring near5 piston 2004/07/15 07:26 230 230 230 230 230 230 230 2	-	1			2004/07/15 07:19
Califor of pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312/\$.cols. US-PG-PUB; EPO_JPO; DERWENT USPAT; US-PG-PUB; EPO_JPO; DERWENT USPAT; US-PG-PUB; EPO_JPO; DERWENT USPAT; US-PG-PUB; EPO_JPO; DERWENT USPAT; US-PG-PUB; EPO_JPO; DERWENT USPAT; US-PG-PUB; EPO_JPO; DERWENT USPAT; US-PG-PUB; EPO_JPO; DERWENT USPAT; USPAT; US-PG-PUB; EPO_JPO; DERWENT USPAT; U	Califor or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312/8.ccls. USPAT: U					
104 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312/\$.ccls. 2004/07/15 07:20 2004/07/1	104 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) and 312/\$.ccis. 1215 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damps6 (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder) same (pistons) or shock adj aborber or retarder) same (pistons) or shock adj aborber or retarder) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder or brake) same (pistons) or shock adj aborber or retarder) same (piston) same spring near5 piston or shock adj aborber or retarder) same (pistons) or shock adj aborber or retarder) same piston or shock adj aborber or retarder) same piston or shock adj aborber or retarder) same piston or shock adj aborber or retarder) same piston with (rod or shart) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston w			or series) and 312/\$.ccls.	EPO; JPO;	
vibration or shock adj aborber or retarder or brake) and 312% cols. 1215 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) 1216 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same progressive adj damp\$6 1217 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston with (floroughbore or bore or borehole or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston with (floroughbore or bore or borehole or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston with (floroughbore or bore or borehole or canal) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons) or first adj2 piston same second adj2 piston) same piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston (air or pneumatic) with (air or pneumat	vibration or shock adj aborber or retarder or brake) and 312% ccis. 1215 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistonsl or first add 2p iston same second add 2p piston) same second sadj 2p piston same second sadj 2p piston same (pistonsl or first add 2p piston same second add 2p piston) same progressive adj damp\$6 - 75 air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistonsl or first add 2p piston same second add 2p piston) same piston with (throughbore or bore or borehole or canal) (pistonsl or first add 2p piston same second add 2p piston with (throughbore or bore or borehole or canal) (pistonsl or first add 2p piston) same second add 2p piston with (throughbore or bore or borehole or canal) (pistonsl or first add 2p piston) same second add 2p piston) same (pistonsl or first add 2p piston) same second add 2p piston) same (pistonsl or first add 2p piston) same second add 2p piston) same (pistonsl or first add 2p piston same second add 2p piston) same (pistonsl or first add 2p piston same second add 2p piston) same (pistonsl or first add 2p piston same second add 2p piston) same (pistonsl or first add 2p piston same second add 2p piston) same (pistonsl or first add 2p piston same second add 2p piston) same (pistonsl or first add 2p piston) same (pistonsl or first add 2p piston) same (piston) same (piston) same (piston) same (piston or shock adj aborber or retarder or brake) same (piston) same (piston or shock adj aborber or retarder or brake) same (piston) same (piston or shock adj aborber or retarder) same (pistonsl or first add 2p piston) same (piston) same (piston) same (piston or shock adj aborber or retarder) same (pistonsl or first add 2p piston) same (piston) same (DERWENT	
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- 230 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston - 33 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston - 33 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston - 7 5220706.URPN 2879 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston - 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) - 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) - 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or vibration or shock adj aborber or retarder) with piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock	230 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 230 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 33 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 33 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 2004/07/15 07:26 US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;					
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(pistons! or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or vibration or shock adj aborber or retarder) same piston 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or v	(pistons! or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 33 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 7 5220706.URPN. 2879 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 27 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 28 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 29 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 2004/07/15 07:30 2004/07/15 07:30 2004/07/15 07:42 2004/07/15 07:42 2004/07/15 07:42 2004/07/15 07:42 2004/07/15 11:16 2004/07/15 11:16 2004/07/15 07:50 2004/07/15 07:50	-	230			2004/07/15 07:26
spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 7 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 7 2879 1003 Spring near5 piston (dair or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) DERWENT US-PGPUB; EPO; JPO;	spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 7 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 2004/07/15 07:26 US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGFUB;					
- 230 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston or shock adj aborber or retarder) same (pistons! or first adj2 piston) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same spring near5 piston 7 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 9 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 2004/07/15 07:26 US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J	- 230 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 pistons! or first adj2 piston same second adj2 piston or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 7 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 8 2879 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 2004/07/15 07:26 US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT US-PAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US					
vibration or shock adj aborber or retarder or brake) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 7 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) VIS-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	vibration or shock adj aborber or retarder or brake) same (pistonsl or first adj2 piston same second adj2 piston) same spring near5 piston 33 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistonsl or first adj2 piston same second adj2 piston) same spring near5 piston 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 27 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) uspat; US-PGPUB; EPO; JPO; DERWENT USPAT; USPAT; USPA		000			
(pistons! or first adj2 piston same second adj2 piston) same spring near5 piston at a spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) with piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or shock adj aborber or retarder) same piston with (rod or shock adj aborber or retarder) same piston with (rod or shock adj aborber or retarder) same piston with (rod or shock adj aborber or retarder) same piston with (rod or shock adj aborber or	(pistons! or first adj2 piston same second adj2 piston) same spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 pistons or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 pistons or same spring near5 piston 7	-	230			2004/07/15 07:26
spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 7 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 2879 33 DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US	spring near5 piston (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 7 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston					
- 33 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston - 7 5220706.URPN 2879 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston - 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) - 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston w	- 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 7 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 2004/07/15 07:37 2004/07/15 07:30 2004/07/15 07:30 10SPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGP			(pistons! or first adj2 piston same second adj2 piston) same	EPO; JPO;	
vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 7 5220706.URPN. 2879 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston w	vibration or shock adj aborber or retarder) same (pistons! or first adj2 piston same second adj2 piston) same spring near5 piston 7 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 2004/07/15 07:30 2004/07/15 09:14 US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO; EPO; JP					
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- 2879 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) - 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or vibration or shock adj aborber or retarder) same piston with (rod or shaft) DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO;	- 7 2879 5220706.URPN. (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWEN					
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- 591 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) DERWENT US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	- 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) with piston with (rod or shaft) - 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) - 27 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) and (two or pair or series or serially or dual) adj3 DERWENT US-PGPUB; EPO; JPO; DERWENT			vibration or shock adj aborber or retarder) same piston		
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shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) EPO; JPO; DERWENT USPAT; USPAT; US-PGPUB; EPO; JPO;	shaft) 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) 27 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod vibration or shock adj aborber or retarder) same piston with (rod or shaft) and (two or pair or series or serially or dual) adj3 EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT					
- 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) DERWENT USPAT; US-PGPUB; EPO; JPO;	- 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) - 27 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) and (two or pair or series or serially or dual) adj3 DERWENT US-PGPUB; EPO; JPO; DERWENT USPAT; USPAT; US				EPO; JPO:	
- 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) USPAT; 2004/07/15 11:16 US-PGPUB; EPO; JPO;	- 1003 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) - 27 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) and (two or pair or series or serially or dual) adj3 USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWE					
vibration or shock adj aborber or retarder) same piston with (rod us-PGPUB; epo; JPO;	vibration or shock adj aborber or retarder) same piston with (rod or shaft) US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; vibration or shock adj aborber or retarder) same piston with (rod or shaft) and (two or pair or series or serially or dual) adj3 US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DER	-	1003	(air or pneumatic) with (damper or dampener or dashpot or		2004/07/15 11:16
or shaft) EPO; JPO;	or shaft) EPO; JPO; DERWENT USPAT; US-PGPUB; or shaft) and (two or pair or series or serially or dual) adj3 EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;		-			
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	- 27 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston with (rod or shaft) and (two or pair or series or serially or dual) adj3 EPO; JPO;	1				
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	or shaft) and (two or pair or series or serially or dual) adj3 EPO; JPO;					2007/01/13 01.30
				or shaft) and (two or pair or series or serially or dual) adi?		
or shaft) and (two or pair or series or serially or dual) adi3 FPO: IPO:				pistons!	DERWENT	
or shaft) and (two or pair or sprips or spriply or dual) add?	DISTRICT	}		nietonel		

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vibration or shock adj aborber or retarder) same piston with (od or shalify and (two or pair of dual or series or serially or dual) adj apistons! 7 (air or pneumatic) and 188/283.ccls. 21 (188/301).CCLS. 22 (188/301).CCLS. 23 (188/301).CCLS. 24 (188/301).CCLS. 25 (188/301).CCLS. 26 (193/34-105" "1264106" "1744514" "3218849" "3307842" "3551065" PNI. 26 (193/34-105" "1264106" "1744514" "3218849" "3307842" "3567065" PNI. 27 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston and 267725-220.cds. 26 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston and 2678-25.cds. 28 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston and 1888/5.cds. 29 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston and 1888/5.cds. 29 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston and 1888/5.cds. 2004/07/15 08.42 (2004/07/15					
pistons	-	27			2004/07/15 07:51
Cair or pneumatic) and 188/283.cds. USPAT: US-PGPUB USOCR USPAT: US-PGPUB U					
12 (air or pneumatic) and 188/283.ccls. US-PGPUB (189/301).CCLS. 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:24 2004/07/15 08:25		_			
188/301).CCLS. 188/3016-317.ccls. 2004/07/15 08:39 2004/07/15 08:49 2004/07/15	-	7	(air or pneumatic) and 188/283.ccls.		2004/07/15 07:53
Secondary Seco	-			USOCR	2004/07/15 07:54
8 4776440,URPN 6 6 70334105" "124105" "124105" "3301859",PN 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:23 2004/07/15 08:35 2004/07/15	-	59	(188/301).CCLS.		2004/07/15 08:39
6	-	8	4776440.URPN.		2004/07/15 08:23
2879 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston USPAT; USPACPUB; EPO; JPO; DERWENT vibration or shock adj aborber or retarder) same piston and 267/225-226.ccis. 258 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston and 267/\$.ccis. 235 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston and 188/\$.ccis. 235 (air or pneumatic) with (damper or dampener or dashpot or vibration or shock adj aborber or retarder) same piston and 188/\$.ccis. (204/07/15 08:42 2004/07/15 08:42 2004/07/15 08:42 2004/07/15 08:43 2004/07/15 08:44 2004/07/15 08:45 2004/07/15 08:47 2004/07/15 08:48 2004/07/15 08:48 2004/07/15 08:48 2004/07/15 08:48 2004/07/15 08:48 2004/07/15 08:48 2004/07/15 08:49 2004/07/15 08:49 2004/07/15 08:49 2004/07/15 08:49 2004/07/15 08:49 2004/07/15 08:49 2004/07/15 08:59 2004/	-	6		USPAT	2004/07/15 08:35
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258					
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- 1064 188/316-317.ccls. DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT					
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7LUS 7/15/04

Butler, Douglas

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Tuesday, April 27, 2004 8:51 AM

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10743359_LIST

PLUS Search Results for S/N 10743359, Searched April 27, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10743359_CLS Most Frequently Occurring Classifications of Patents Returned From A Search of 10743359 on April 27, 2004

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Original Classifications
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Cross-Reference Classifications
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    417/540
Combined Classifications
25 188/315
22 188/322.15
12 188/317
11 188/322.13
10 188/280
10 188/322.14
 8
    188/266.6
 8
    188/269
 8
    188/282.5
 8
    188/314
 8
    188/318
 7
    188/266.2
 7
    188/322.17
 6
    188/266.4
 6
    188/266.5
```

6

267/226 267/64.15

```
6
  267/64.26
5
   188/275
5
   188/281
5
   188/282.6
5
   188/322.19
5
   188/322.22
5
   267/64.11
   267/64.25
5
   188/266.7
4
   188/282.8
4
   188/319.1
4
   267/225
   267/64.23
4
   280/276
4
   280/5.507
   280/5.515
   417/540
   701/37
4
   188/266.1
3
   188/282.4
3
3
   188/284
3
   188/285
3
   188/298
3
  188/313
3
  188/316
  267/64.16
3
  267/64.17
3
  280/124.157
3
3
  280/5.519
3
  417/269
2
   91/433
   92/85B
 105/198.3
  123/90.17
  123/90.31
  173/162.1
2
  180/300
2
  181/403
2
  188/266.8
2
  188/267.1
2
  188/277
2
  188/282.1
2
  188/282.3
2
  188/282.9
2
  188/299.1
2
  188/319.2
2
  188/320
2
  267/122
2
  267/124
2
  267/127
2
  267/221
2
  267/4
2
  267/64.21
2
  267/64.27
2
  267/64.28
2
  280/124.159
2
  280/124.16
2
  280/5.513
  280/6.159
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上手。在4000年以上,1900年,2月18日 - 1900年,1900年

- 2 310/30 2 417/312 2 417/417

10743359 CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned From A Search of 10743359 on April 27, 2004

```
25 188/315
                   (4 OR, 21 XR)
                  188 : BRAKES
          Class
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/297
                         .Having a thrust member with a variable volume
                               chamber (e.g., coaxial or telescoping tubes, compensat
ing
                              reservoir)
          188/313
                         ..With valve controlling fluid flow between
                              chambers or compartments of the chamber
          188/314
                         ...With reservoir for fluid
          188/315
                         ....Annular reservoir
 22 188/322.15
                   (4 OR, 18 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/322.13
                        .Valve structure or location
          188/322.15
                        .. Piston valve detail (e.g., seat design,
                           structural arrangement, metering element)
 12 188/317
                   (2 OR, 10 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/297
                        .Having a thrust member with a variable volume
                             chamber (e.g., coaxial or telescoping tubes, compensati
ng
                             reservoir)
          188/316
                        .. Fluid through or around piston within chamber
          188/317
                        ... Via fixed or variable orifice in piston
 11
    188/322.13
                   (2 OR, 9 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/322.13
                        .Valve structure or location
10 188/280
                   (5 OR, 5 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/280
                        .Relative speed of thrust member or fluid flow
10
    188/322.14
                   (2 OR, 8 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/322.13
                        .Valve structure or location
          188/322.14
                        .. Foot valve
    188/266.6
                   (6 OR, 2 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
                        .Motion damped from condition (e.g., bump,
          188/266.1
                              speed change) detected outside of retarder
          188/266.2
                        .. Condition actuates valve or regulator
          188/266.5
                        ...Of the pulsating or reciprocating type
          188/266.6
                        ....Side mounted
```

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10743359 CLSTITLES

```
188/269
                   (3 OR, 5 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/269
                         .Using diverse fluids
    188/282.5
                   (4 OR, 4 XR)
          Class
                  188 : BRAKES
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/266
          188/281
                         .Resistance alters relative to direction of
                              thrust member (e.g., high resistance in one direction,
low
                             in the other)
                         ..Via valved orifice in thrust member
          188/282.1
          188/282.5
                         ...Flexible flap-type valve (e.g., compression
    188/314
                   (0 OR, 8 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
                         .Having a thrust member with a variable volume
          188/297
                             chamber (e.g., coaxial or telescoping tubes, compensati
ng
                             reservoir)
          188/313
                         ..With valve controlling fluid flow between
                            chambers or compartments of the chamber
          188/314
                         ...With reservoir for fluid
    188/318
                   (3 OR, 5 XR)
                  188 : BRAKES
          Class
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/297
                        .Having a thrust member with a variable volume
                              chamber (e.g., coaxial or telescoping tubes, compensat
ing
                              reservoir)
          188/316
                        .. Fluid through or around piston within chamber
          188/317
                        ...Via fixed or variable orifice in piston
          188/318
                        .... And passage venting fluid external to
                           chamber
   188/266.2
                   (3 OR, 4 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/266.1
                        .Motion damped from condition (e.g., bump,
                            speed change) detected outside of retarder
                        .. Condition actuates valve or regulator
          188/266.2
    188/322.17
                   (0 OR, 7 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/322.16
                        .Including seal or guide
          188/322.17
                        ..Between piston rod and cylinder
   188/266.4
                   (2 OR, 4 XR)
         Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/266.1
                        .Motion damped from condition (e.g., bump,
                              speed change) detected outside of retarder
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10743359 CLSTITLES
                        .. Condition actuates valve or regulator
         188/266.2
         188/266.3
                        ...Of the rotary type
         188/266.4
                        .... Having plural openings
   188/266.5
                   (3 OR, 3 XR)
         Class
                  188 : BRAKES
         188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
                        .Motion damped from condition (e.g., bump,
         188/266.1
                             speed change) detected outside of retarder
         188/266.2
                        .. Condition actuates valve or regulator
                        ...Of the pulsating or reciprocating type
         188/266.5
   267/226
                   (1 OR, 5 XR)
         Class
                 267 :
                        SPRING DEVICES
         267/2
                        VEHICLE
         267/195
                        .Mechanical spring and nonresilient retarder
                              (e.g., shock absorber)
         267/217
                        ..Fluid retarder
         267/221
                        ... Helical coil spring
         267/226
                        ....Spring within coaxial fluid chamber
   267/64.15
                  (2 OR, 4 XR)
         Class
                 267 : SPRING DEVICES
         267/2
                       VEHICLE
         267/64.11
                        .Comprising compressible fluid
         267/64.15
                        ..With retarder
   267/64.26
                  (0 OR, 6 XR)
                 267 : SPRING DEVICES
         Class
         267/2
                       VEHICLE
         267/64.11
                       .Comprising compressible fluid
         267/64.15
                        ..With retarder
                       ... Having telescoping cylinders
         267/64.26
   188/275
                  (5 OR, 0 XR)
         Class
                 188 : BRAKES
         188/266
                       INTERNAL-RESISTANCE MOTION RETARDER
         188/275
                        .With fluid regulated in response to inertia of
                          valve member
   188/281
                  (3 OR, 2 XR)
         Class
                 188 : BRAKES
         188/266
                       INTERNAL-RESISTANCE MOTION RETARDER
         188/281
                       .Resistance alters relative to direction of
                          thrust member (e.g., high resistance in one direction, lo
                          in the other)
   188/282.6
                  (2 OR, 3 XR)
         Class
                 188 : BRAKES
         188/266
                       INTERNAL-RESISTANCE MOTION RETARDER
         188/281
                       .Resistance alters relative to direction of
                              thrust member (e.g., high resistance in one direction,
low
                              in the other)
         188/282.1
                       ..Via valved orifice in thrust member
         188/282.5
                       ...Flexible flap-type valve (e.g., compression
                           washers)
         188/282.6
                       .... Having flow passage, cutout, aperture,
                                       Page 3
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10743359 CLSTITLES

slot, etc. 188/322.19 (2 OR, 3 XR) Class 188 : BRAKES 188/266 INTERNAL-RESISTANCE MOTION RETARDER 188/322.19 .Cylinder structure 188/322.22 (0 OR, 5 XR) Class 188 : BRAKES 188/266 INTERNAL-RESISTANCE MOTION RETARDER .Thrust member or piston structure 188/322.22 267/64.11 (2 OR, 3 XR) Class 267 : SPRING DEVICES 267/2 VEHICLE 267/64.11 .Comprising compressible fluid (0 OR, 5 XR) 267/64.25 Class 267 : SPRING DEVICES 267/2 VEHICLE 267/64.11 .Comprising compressible fluid 267/64.15 ..With retarder 267/64.25 ... Having plural compressible fluid springs 188/266.7 (2 OR, 2 XR) Class 188 : BRAKES 188/266 INTERNAL-RESISTANCE MOTION RETARDER 188/266.7 .Piezoelectric 188/282.8 (2 OR, 2 XR) Class 188 : BRAKES 188/266 INTERNAL-RESISTANCE MOTION RETARDER 188/281 .Resistance alters relative to direction of thrust member (e.g., high resistance in one direction, low in the other) 188/282.1 .. Via valved orifice in thrust member 188/282.8 ...Spring-loaded valve 188/319.1 (1 OR, 3 XR) Class 188 : BRAKES INTERNAL-RESISTANCE MOTION RETARDER 188/266 .Having a thrust member with a variable volume 188/297 chamber (e.g., coaxial or telescoping tubes, compensat ing reservoir) 188/316 .. Fluid through or around piston within chamber 188/317 ...Via fixed or variable orifice in piston Having an orifice adjustment for both 188/319.1 jounce or bound (compression) and rebound

267/225 (1 OR, 3 XR)

> Class 267 : SPRING DEVICES

267/2 VEHICLE

267/195 .Mechanical spring and nonresilient retarder

(e.g., shock absorber)

267/217 ..Fluid retarder

267/221 ... Helical coil spring

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"在一种的现在形式的企业的表现是不是有效,但是自然实现,不能就是是这个人。""就是我们们,我们不

10743359_CLSTITLES

267/225Plural mechanical springs for biasing vehicle parts 267/64.23 (1 OR, 3 XR) Class 267 : SPRING DEVICES 267/2 VEHICLE 267/64.11 .Comprising compressible fluid 267/64.15 ..With retarder 267/64.23 ... Having flexible wall 280/276 (3 OR, 1 XR) 280 : LAND VEHICLES Class 280/29 WHEELED 280/200 .Occupant propelled type 280/263 ..With steering 280/270 ...One-wheel controlled 280/274Frames and running gear 280/275Yielding 280/276Front forks and heads 280/5.507 (1 OR, 3 XR) 280 : LAND VEHICLES Class 280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL (I.E., ACTIVE SUSPENSION CONTROL) 280/5.507 .Lateral and longitudinal vehicle attitude control (e.g., combinations of antidive, antipitch, antiroll, antisquat, antisway, antiyaw, riding, or suspension height) 280/5.515 (3 OR, 1 XR) Class 280 : LAND VEHICLES SUSPENSION MODIFICATION ENACTED DURING TRAVEL 280/5.5 (I.E., ACTIVE SUSPENSION CONTROL) 280/5.515 .Suspension stiffness for ride comfort (e.g., damping coefficient, spring rate) 417/540 (2 OR, 2 XR) Class 417 : PUMPS 417/437 EXPANSIBLE CHAMBER TYPE 417/540 .Having pulsation dampening fluid receiving space 701/37 (1 OR, 3 XR) Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION 701/36 .Vehicle subsystem or accessory control 701/37 ... Suspension control 188/266.1 (2 OR, 1 XR) Class 188 : BRAKES 188/266 INTERNAL-RESISTANCE MOTION RETARDER .Motion damped from condition (e.g., bump, 188/266.1

188/282.4 (0 OR, 3 XR)

Class 188 : BRAKES

188/266 INTERNAL-RESISTANCE MOTION RETARDER

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speed change) detected outside of retarder

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10743359_CLSTITLES
          188/281
                         .Resistance alters relative to direction of
                               thrust member (e.g., high resistance in one direction,
 low
                               in the other)
                         ..Via valved orifice in thrust member
          188/282.1
          188/282.2
                         ...Valve actuated by electrical system
          188/282.4
                         .... System having distinct selections (e.g.,
                           hard, medium, soft)
  3 188/284
                   (1 OR, 2 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/284
                        .Position of thrust member relative to chamber
  3 188/285
                   (1 OR, 2 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/284
                        .Position of thrust member relative to chamber
          188/285
                        ... Having a fluid flow passage adjusted manually
                            (e.g., threaded plug, threaded rod, gearing)
    188/298
                   (1 OR, 2 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/297
                        .Having a thrust member with a variable volume
                            chamber (e.g., coaxial or telescoping tubes, compensatin
g
                            reservoir)
          188/298
                         .. Forming flexible wall enclosure for fluid
                   (0 OR, 3 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/297
                        .Having a thrust member with a variable volume
                            chamber (e.g., coaxial or telescoping tubes, compensatin
g
                            reservoir)
          188/313
                        ..With valve controlling fluid flow between
                           chambers or compartments of the chamber
  3 188/316
                   (1 OR, 2 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
                        .Having a thrust member with a variable volume
          188/297
                            chamber (e.g., coaxial or telescoping tubes, compensatin
g
                            reservoir)
          188/316
                        .. Fluid through or around piston within chamber
  3 267/64.16
                   (0 OR, 3 XR)
          Class
                  267 : SPRING DEVICES
          267/2
                        VEHICLE
          267/64.11
                        .Comprising compressible fluid
          267/64.15
                        ..With retarder
          267/64.16
                        ...Leveling device
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10743359_CLSTITLES
   267/64.17
                (3 OR, 0 XR)
        Class
                267 : SPRING DEVICES
        267/2
                      VEHICLE
        267/64.11
                      .Comprising compressible fluid
        267/64.15
                     ..With retarder
        267/64.16
                      ...Leveling device
        267/64.17
                      ....Self-pumping
   280/124.157
                (1 OR, 2 XR)
                280 : LAND VEHICLES
        Class
        280/29
                      WHEELED
        280/80.1
                      .Running gear
        280/124.1
                      ... Suspension arrangement
        280/124.157
                      ...Fluidic suspension
  280/5.519
                 (1 OR, 2 XR)
        Class
                280 : LAND VEHICLES
        280/5.5
                      SUSPENSION MODIFICATION ENACTED DURING TRAVEL
                            (I.E., ACTIVE SUSPENSION CONTROL)
        280/5.515
                       .Suspension stiffness for ride comfort (e.g.,
                       damping coefficient, spring rate)
..Plural distinct modes (i.e., HARD-SOFT)
        280/5.519
  417/269
                 (3 OR, 0 XR)
        Class
                417 : PUMPS
        417/269
                      THREE OR MORE CYLINDERS ARRANGED IN PARALLEL,
                         RADIAL, OR CONICAL RELATIONSHIP WITH ROTARY TRANSMISSION
2
    91/433
                 (2 OR, 0 XR)
                091 : MOTORS: EXPANSIBLE CHAMBER TYPE
        Class
                      WITH MOTIVE FLUID VALVE
        91/418
        91/433
                      .Both inlet and exhaust controlled by motive
                         fluid pressure in supply line or chamber
2
    92/85B
                 (1 OR, 1 XR)
                092 : EXPANSIBLE CHAMBER DEVICES
        92/85R
                      WITH CUSHIONING MEANS EFFECTIVE OVER A PORTION
                          ONLY OF STROKE
        92/85B
                      .Fluid spring
  105/198.3
                (2 OR, 0 XR)
       Class
              105 : RAILWAY ROLLING STOCK
       105/157.1
                      TRUCKS
       105/182.1
                      .Bogie
       105/197.05
                     ...Sprung bolster
        105/198.2
                      ...Bolster movement dampened by snubber
       105/198.3
                      .... Hydraulic damping
 123/90.17
                (2 OR, 0 XR)
       Class
              123 : INTERNAL-COMBUSTION ENGINES
       123/90.1
                      POPPET VALVE OPERATING MECHANISM
       123/90.15
                      .With means for varying timing
       123/90.17
                      .. Camshaft or cam characteristics
  123/90.31
                 (0 OR, 2 XR)
       Class
              123 : INTERNAL-COMBUSTION ENGINES
       123/90.1
                      POPPET VALVE OPERATING MECHANISM
       123/90.31
                    .Camshaft drive means
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10743359_CLSTITLES

```
173/162.1
                 (2 OR, 0 XR)
         Class
                 173 : TOOL DRIVING OR IMPACTING
         173/162.1
                       INCLUDING MEANS TO VIBRATIONALLY ISOLATE A
                          DRIVE MEANS FROM ITS HOLDER
   180/300
                  (1 OR, 1 XR)
                 180 : MOTOR VEHICLES
         Class
         180/54.1
                       POWER
         180/291
                        .Having specific motor-to-body-frame
                           relationship
         180/300
                        .. Including means of nonsupporting nature for
                          minimizing operation-induced movement of motor
   181/403
                  (0 OR, 2 XR)
         Class
                 181 : ACOUSTICS
                       REFRIGERATOR COMPRESSSOR MUFFLER
         181/403
    188/266.8
                  (0 OR, 2 XR)
         Class
                 188 : BRAKES
         188/266
                       INTERNAL-RESISTANCE MOTION RETARDER
         188/266.8
                       .With failure or malfunction detection
 2 188/267.1
                  (0 OR, 2 XR)
         Class
                 188 : BRAKES
         188/266
                       INTERNAL-RESISTANCE MOTION RETARDER
         188/267.1
                       .Electroviscous or electrorheological fluid
   188/277
                  (2 OR, 0 XR)
         Class
                 188 : BRAKES
         188/266
                       INTERNAL-RESISTANCE MOTION RETARDER
         188/276
                       .With means compensating for change in
                           temperature or viscosity
         188/277
                       .. Thermostatic valve type
   188/282.1
                  (2 OR, 0 XR)
         Class
                 188 : BRAKES
                       INTERNAL-RESISTANCE MOTION RETARDER
         188/266
         188/281
                       .Resistance alters relative to direction of
                           thrust member (e.g., high resistance in one direction, 1
                           in the other)
                       ..Via valved orifice in thrust member
         188/282.1
   188/282.3
                  (2 OR, 0 XR)
         Class
                 188 : BRAKES
         188/266
                       INTERNAL-RESISTANCE MOTION RETARDER
         188/281
                       .Resistance alters relative to direction of
                             thrust member (e.g., high resistance in one direction,
low
                             in the other)
         188/282.1
                       .. Via valved orifice in thrust member
         188/282.2
                       ... Valve actuated by electrical system
         188/282.3
                       .... System initiated by a pressure change or
                          feedback
   188/282.9
                 (0 OR, 2 XR)
         Class
                 188 : BRAKES
         188/266
                       INTERNAL-RESISTANCE MOTION RETARDER
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10743359 CLSTITLES
                         .Resistance alters relative to direction of
          188/281
                               thrust member (e.g., high resistance in one direction,
 low
                               in the other)
          188/282.1
                         ..Via valved orifice in thrust member
          188/282.8
                         ...Spring-loaded valve
                        ....Adjusting the tension via (a) compressing
          188/282.9
                           or expanding or (b) different strength springs
  2 188/299.1
                   (1 OR, 1 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/299.1
                        .Controlled by an operator (e.g., vehicle
                           driver) remote from retarder
  2 188/319.2
                   (0 OR, 2 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/297
                        .Having a thrust member with a variable volume
                              chamber (e.g., coaxial or telescoping tubes, compensat
ing
                              reservoir)
          188/316
                        .. Fluid through or around piston within chamber
          188/317
                        ... Via fixed or variable orifice in piston
          188/319.2
                        ....Orifice size varied using a hand or hand
                           tool
   188/320
                   (0 OR, 2 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/297
                        .Having a thrust member with a variable volume
                              chamber (e.g., coaxial or telescoping tubes, compensat
ing
                              reservoir)
          188/316
                        .. Fluid through or around piston within chamber
          188/317
                        ...Via fixed or variable orifice in piston
          188/320
                        .... Tortuous path orifice
   267/122
                   (0 OR, 2 XR)
                  267 : SPRING DEVICES
          Class
          267/113
          267/118
                        .Expansible-contractible chamber device
          267/122
                        ..Diaphragm or bellows
   267/124
                   (0 OR, 2 XR)
         Class
                  267 : SPRING DEVICES
         267/113
                        FLUID
         267/118
                        .Expansible-contractible chamber device
         267/124
                        ..Piston
 2 267/127
                   (0 OR, 2 XR)
         Class
                 267 : SPRING DEVICES
         267/113
                        FLUID
         267/118
                        .Expansible-contractible chamber device
         267/124
                        ..Piston
         267/126
                        ...System
         267/127
                        ....Trans-piston passage
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267/221
                 (0 OR, 2 XR)
                267 : SPRING DEVICES
        Class
        267/2
                      VEHICLE
        267/195
                      .Mechanical spring and nonresilient retarder
                            (e.g., shock absorber)
        267/217
                      ..Fluid retarder
        267/221
                      ... Helical coil spring
2 267/4
                 (0 OR, 2 XR)
        Class
                267 : SPRING DEVICES
        267/2
                      VEHICLE
        267/3
                      .Railway
        267/4
                      ..Coil
                 (1 OR, 1 XR)
  267/64.21
                267 : SPRING DEVICES
        Class
        267/2
                      VEHICLE
        267/64.11
                      .Comprising compressible fluid
        267/64.15
                      ..With retarder
        267/64.16
                      ...Leveling device
       267/64.19
                      .... Having flexible wall
        267/64.21
                      .....Including rolling lobe between telescoping
                         members
 267/64.27
                 (0 OR, 2 XR)
        Class
                267 : SPRING DEVICES
        267/2
                      VEHICLE
       267/64.11
                      .Comprising compressible fluid
       267/64.27
                      .. Having flexible wall
  267/64.28
                 (0 OR, 2 XR)
                267 : SPRING DEVICES
       Class
       267/2
                      VEHICLE
       267/64.11
                      .Comprising compressible fluid
       267/64.28
                      .. Including means for charging or discharging
                         spring
 280/124.159
                 (0 OR, 2 XR)
               280 : LAND VEHICLES
       Class
       280/29
                      WHEELED
       280/80.1
                      .Running gear
       280/124.1
                      .. Suspension arrangement
       280/124.157
                      ...Fluidic suspension
       280/124.158
                      .... Hydraulic and pneumatic
       280/124.159
                      .....Fluid handling details
 280/124.16
                 (0 OR, 2 XR)
       Class
               280 : LAND VEHICLES
       280/29
                      WHEELED
       280/80.1
                     .Running gear
       280/124.1
                     .. Suspension arrangement
       280/124.157
                     ...Fluidic suspension
       280/124.16
                      ....Fluid handling details
 280/5.513
                 (1 OR, 1 XR)
       Class
               280 : LAND VEHICLES
       280/5.5
                      SUSPENSION MODIFICATION ENACTED DURING TRAVEL
                          (I.E., ACTIVE SUSPENSION CONTROL)
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10743359 CLSTITLES

280/5.513 .Longitudinal vehicle disposition (e.g., antidive, antipitch, antisquat)

2 280/6.159 (2 OR, 0 XR)

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Class 280 : LAND VEHICLES

280/6.15 BODY ELEVATION OR TILT
280/6.157 .Establishing riding or trim height
280/6.159 ..Load responsive

..Load responsive

2 310/30

(1 OR, 1 XR)
310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE Class

310/10 DYNAMOELECTRIC

310/15 .Reciprocating

310/28 ..Direct-connected

310/30 ... Solenoid and core

(1 OR, 1 XR) 2 417/312

Class 417 : PUMPS

417/312 WITH MUFFLER ACTING ON PUMP FLUID

2 417/417 (1 OR, 1 XR)

Class 417 : PUMPS

417/321 MOTOR DRIVEN

417/410.1 .Electric or magnetic motor

417/415 .. Reciprocating rigid pumping member

417/416 ... Reciprocating motor

417/417 Unitary pump and motor working member

C. Berti and Grant received in the Control of the C

10743359_CLS Most Frequently Occurring Classifications of Patents Returned From A Search of 10743359 on April 27, 2004

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Original Classifications
  6 188/266.6
  5 188/275
  5 188/280
  4 188/282.5
  4 188/315
    188/322.15
    188/266.2
  3
    188/266.5
  3
    188/269
  3
    188/281
  3
    188/318
  3
  3
    267/64.17
  3
    280/276
  3
    280/5.515
  3
    417/269
  2
    91/433
  2 105/198.3
  2 123/90.17
  2 173/162.1
  2 188/266.1
  2 188/266.4
  2 188/266.7
  2 188/277
 2 188/282.1
  2 188/282.3
 2 188/282.6
 2 188/282.8
 2 188/317
 2 188/322.13
 2 188/322.14
 2 188/322.19
 2 267/64.11
 2 267/64.15
 2 280/6.159
 2 417/540
Cross-Reference Classifications
21 188/315
18 188/322.15
10 188/317
 9
    188/322.13
 8
    188/314
 8
    188/322.14
 7
    188/322.17
    267/64.26
 6
 5
    188/269
 5
    188/280
 5
    188/318
    188/322.22
    267/226
 5
    267/64.25
    188/266.2
    188/266.4
    188/282.5
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267/64.15

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6 267/64.26 188/275

188/281

188/282.6

267/64.11

267/64.25 188/266.7

188/282.8 188/319.1

267/225

280/276

417/540

188/266.1

188/282.4 188/284 188/285 188/298 188/313 188/316 267/64.16 267/64.17 280/124.157

280/5.519

417/269

92/85B

91/433

105/198.3

123/90.17

123/90.31

173/162.1

188/266.8

188/267.1

188/282.1

188/282.3

188/282.9

188/299.1

188/319.2

280/124.16

280/5.513 280/6.159

188/320

267/122 267/124 267/127 267/221 267/4 267/64.21 267/64.27 267/64.28 280/124.159

180/300

181/403

188/277

701/37

267/64.23

280/5.507 280/5.515

188/322.19 188/322.22

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2 310/30 2 417/312 2 417/417